

WHAT IS CLAIMED IS:

1. A device for creating a spread-out stream of tobacco fibers, comprising:

a concave-curved guide track along which the fiber stream of tobacco fibers are conveyed, the guide track having a generatrix based on a uniform generating curve; and

at least one air jet having an air flow opening interrupting the guide track so that air exiting the air flow jet acts in a conveyance direction of the fiber stream for spreading out the tobacco fibers.

2. The device in accordance with claim 1, wherein the guide track has a width and a convex sliding surface, and the at least one air jet terminates in the sliding surface and extends continuously over the width of the guide track.

3. The device in accordance with claim 2, wherein the air jet has a downstream wall, in relation to the conveyance direction of the fiber stream, which makes a transition into the concave sliding surface of the guide track in a steady convex curvature.

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4. The device in accordance with claim 2, wherein the at least one air jet comprises a plurality of air jets following each other in the conveying direction of the fiber stream and that interrupt the sliding surface.

5. The device in accordance with claim 4, further comprising a common pressure chamber connected with the plurality of air jets.

6. The device in accordance with claim 4, wherein the guide track comprises a plurality of individual guide track segments having respectively adjoining border surfaces that form nozzle walls of the air jets.

7. The device in accordance with claim 6, wherein the guide track segments comprise extruded sections, whose wall sections, which border the sliding surface of the guide track, form an upstream and a downstream nozzle wall, in relation to the conveying direction, at two successive air jets.

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